

## Topical Collection

# Advanced Sensing Application for Microwave Imaging and Radar Target Recognition

### Message from the Collection Editors

Microwave imaging and radar target recognition are pivotal technologies in modern sensing systems, enabling applications from autonomous vehicles to environmental monitoring and defense systems. This Special Issue aims to explore cutting-edge advancements in sensor-driven methodologies for microwave imaging, radar signal processing, and intelligent target recognition. Key topics include novel sensor hardware designs, machine learning-enhanced signal interpretation, multi-sensor fusion techniques, and real-time processing algorithms. We welcome contributions addressing challenges in complex environments (e.g., clutter suppression and multi-target tracking) and innovations in energy-efficient, sustainable sensor systems. This collection aligns with the journal's focus on sensor technologies and their interdisciplinary applications. It emphasizes hardware innovation (e.g., radar sensors) and software algorithms (e.g., AI-driven analytics), bridging the gap between physical sensing and digital interpretation.

### Collection Editors

Dr. Yabo Liu

Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100094, China

Dr. Lin Liu

Aerospace Information Research Institute, Chinese Academy of Sciences, Beijing 100094, China



## Sensors

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.5**  
**CiteScore 8.2**  
**Indexed in PubMed**



[mdpi.com/si/242315](https://mdpi.com/si/242315)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

---

### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)